

# **PHMC Contract Overview**

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***Burn prop for Hydrogen course at HAMMER Training Facility***

***Reduced Pressure Backflow Assembly (RPBA) recently installed on Project L-399, "T Plant Potable and Raw Water Line Replacement"***



***Safeguards and Security (SAS) received the Superior Star Award at the National Voluntary Protection Programs Participants' Association Conference in San Antonio, Texas***

## Overview

This section of the report is intended to provide an executive-level performance overview. Unless otherwise noted, all information is as of August 2009.

Included in this section are descriptions of significant accomplishments considered to have made the greatest contribution toward safe, timely, and cost-effective progress against the contract with RL; project cost summary analysis; and overviews of safety and critical issues that identify the high-level challenges to achieving cleanup progress.

## Top FY 2009 Accomplishments

### Safeguards and Security (PBS RL-0020)

- Completed construction of the Interim Storage Area Protected Area on schedule and under budget.
- SAS Non-Patrol employees reached one million hours without a Days Away From Work case.

### Nuclear Facility Decontamination and Decommissioning (D&D), Remainder of Hanford (PBS RL-0040)

- **Closure Services and Infrastructure**
- Completed installation of a potable water system at 609 Fire Station 91 (Project L-645, *609 Fire Station 91 Potable Water System*).
- Completed refurbishment of a section of existing potable water distribution system in the 200 East Area which furnishes water from the Water Treatment Plant north to B-Plant, which then forms a loop to the Hot Semi Works, the 200 East Tank Farm facilities, and the Waste Treatment Plant (Project L-449, *Mortar Line 12-Inch Water Line – Baltimore*).
- Completed Project L-658, *Construct 2 Salt/Sand Sheds in 200 East and 300 Area*, which protects stockpile of salt and sand used on road surfaces during winter months to mitigate snow and ice conditions.
- Completed Project L-614, *Repeater Sites Safety Renovations*, which included extending the useful life of four buildings and their related systems and equipment used to shelter and provide a controlled environment required to operate Hanford Site radios and telecommunications.
- Received two cranes and three ambulances.
- **HAMMER**
  - HAMMER achieved one million hours without a Days Away From Work case in January.
  - Recorded over 9000 individual course completions, continuing a level of training service at slightly greater than 200% over the FY 2008 level.
  - HAMMER completed 99.9% of its scheduled American Recovery and Reinvestment Act (ARRA) courses.

## **Top FY 2009 Accomplishments, continued**

### **General Site Services**

- Completed the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-026-01S, "Submit Annual Summary Land Disposal Report," ahead of schedule.
- Completed the WiMax Pilot Project ahead of schedule.
- Completed and delivered the Hanford Management Plan, Site Wide Safety Program Plan (HNF-MP-41080).
- Completed and delivered the Beryllium Program Site Wide Plan in June.
- Completed 94 public tours of the Hanford Site and B Reactor.
  - Tours kicked off on April 21, 2009, and last tour was conducted on August 22, 2009.

### **Notable August Accomplishments**

#### **Safeguards and Security (PBS RL-0020)**

- Conducted four force-on-force training exercises in support of Interim Storage Area (ISA) Protected Area activation.
- Hanford Patrol won the Northwest Regional Pistol Championships.
- Completed Emergency Vehicle Obstacle Course training on new special vehicles for Special Police Officers (SPOs) levels II and III.
- Completed certification testing of intrusion detection components employed within the 200 East ISA Protected Area perimeter intrusion detection and assessment system.

#### **Nuclear Facility Decontamination and Decommissioning (D&D), Remainder of Hanford (PBS RL-0040)**

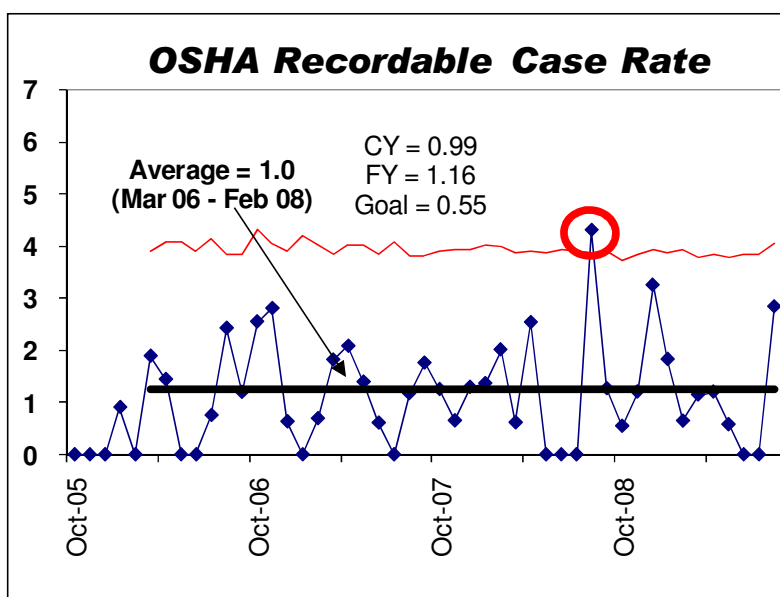
- **Closure Services and Infrastructure**
  - Completed definitive design and bid package preparation for L-688, *Roof Replacement for 339A and 3220 Buildings*.
- **HAMMER**
  - HAMMER hosted visits from key leadership within the Department of Energy including Secretary Steven Chu, Deputy Secretary Daniel Poneman, Under Secretary of Energy Kristina Johnson, and Assistant Secretary of Environmental Management Ines Triay

## Safety Overview

The focus of this section is to document trends in occurrences. FH continues to focus on improving safety through the efforts of the PHMC workforce as they implement the Integrated Environmental Safety and Health Management System, work towards achieving and maintaining Voluntary Protection Program "Star" status, and accomplish work through enhanced work planning. Safety and health statistical data is presented below. The safety charts are reported according to Occupational Safety and Health Administration (OSHA) standards.

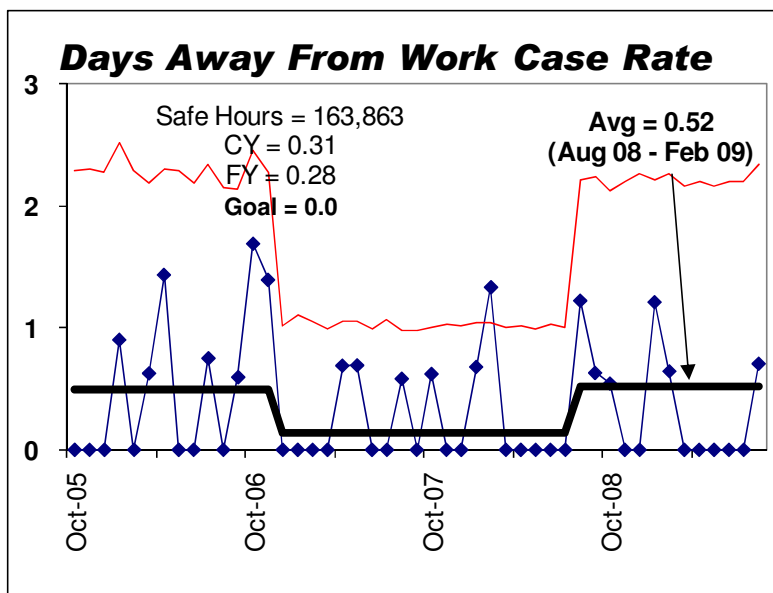
NOTE: Fiscal Year 2009 started October 1, 2008. These charts reflect the work scope of the PHMC with the Plateau Remediation Contract scope removed. Both the current and the historic data have been revised to reflect the PHMC scope.

### Total OSHA Recordable Case Rate:



The OSHA recordable rate spiked again in August. As a result, the overall rate has remained stable over the last five years.

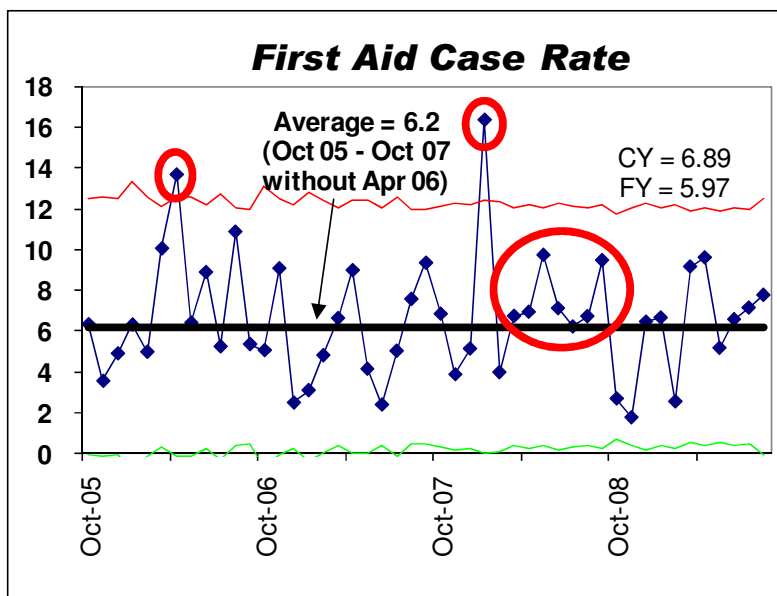
### OSHA Days Away From Work (DAFW) Case Rate:



The DAFW case rate remains stable, for the whole of FY 2009.

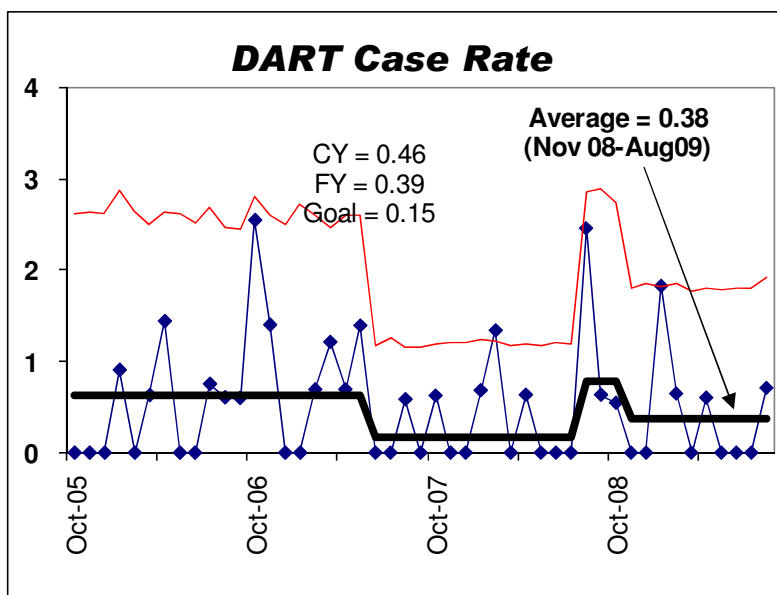
## Safety Overview, continued

### First Aid Case Rate:



The first aid rate remains stable as it has since 2005.

### Days Away Restricted/Transferred (DART) Case Rate:



DART case rate showed a slight improvement in early FY 2009, but was not able to return to the rate reached between 07 and 08.

## Schedule/Cost Performance (\$M)

Both Current Month and Fiscal Year to Date performance is presented below. Variances addressed are at the Fiscal Year to Date level.

Current Period (August)	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance	Cost Variance	Budget At Completion (FY 2009)
RL-0020 Safeguards & Security	\$4.4	\$5.0	\$4.1	\$0.6	\$0.9	\$59.6
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$3.7	\$2.8	\$1.2	-\$1.0	\$1.5	\$19.4
RL-0041 Nuclear Facility D&D, River Corridor Project	\$0.1	\$0.1	\$0.0	\$0.0	\$0.0	\$0.3
RL-0044 B Reactor	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.2
RL-0100 Richland Comm & Reg. Supt. - B Reactor	\$0.2	\$0.2	\$0.2	\$0.0	\$0.0	\$0.7
General Site Services	\$11.7	\$11.3	\$8.2	-\$0.4	\$3.1	\$152.4
<b>Subtotal Sub-project Work scope</b>	<b>\$20.1</b>	<b>\$19.4</b>	<b>\$13.7</b>	<b>-\$0.7</b>	<b>\$5.7</b>	<b>\$232.5</b>
<b>Total Work For Others</b>	<b>\$10.8</b>	<b>\$10.8</b>	<b>\$18.1</b>	<b>\$0.0</b>	<b>-\$7.3</b>	<b>\$87.6</b>
<b>Total FH Contract Work scope</b>	<b>\$30.9</b>	<b>\$30.2</b>	<b>\$31.8</b>	<b>-\$0.7</b>	<b>-\$1.6</b>	<b>\$320.1</b>

Variance threshold is +/- \$1M or 10%

Fiscal Year 2009 To Date	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance	Cost Variance	Budget At Completion (FY 2009)
RL-0020 Safeguards & Security	\$59.6	\$59.5	\$57.2	-\$0.1	\$2.3	\$59.6
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$19.4	\$18.6	\$17.1	-\$0.9	\$1.5	\$19.4
RL-0041 Nuclear Facility D&D, River Corridor Project	\$0.3	\$0.3	\$0.3	\$0.1	\$0.0	\$0.3
RL-0044 B Reactor	\$0.2	\$0.2	\$0.1	\$0.1	\$0.0	\$0.2
RL-0100 Richland Comm & Reg. Supt. - B Reactor	\$0.7	\$0.7	\$0.7	\$0.1	\$0.0	\$0.7
General Site Services	\$152.4	\$151.5	\$140.9	-\$0.7	\$10.7	\$152.4
<b>Subtotal Sub-project Work scope</b>	<b>\$232.5</b>	<b>\$230.7</b>	<b>\$216.3</b>	<b>-\$1.8</b>	<b>\$14.4</b>	<b>\$232.5</b>
<b>Total Work For Others</b>	<b>\$87.6</b>	<b>\$87.6</b>	<b>\$90.0</b>	<b>\$0.0</b>	<b>-\$2.4</b>	<b>\$87.6</b>
<b>Total FH Contract Work scope</b>	<b>\$320.1</b>	<b>\$318.3</b>	<b>\$306.3</b>	<b>-\$1.7</b>	<b>\$12.0</b>	<b>\$320.1</b>

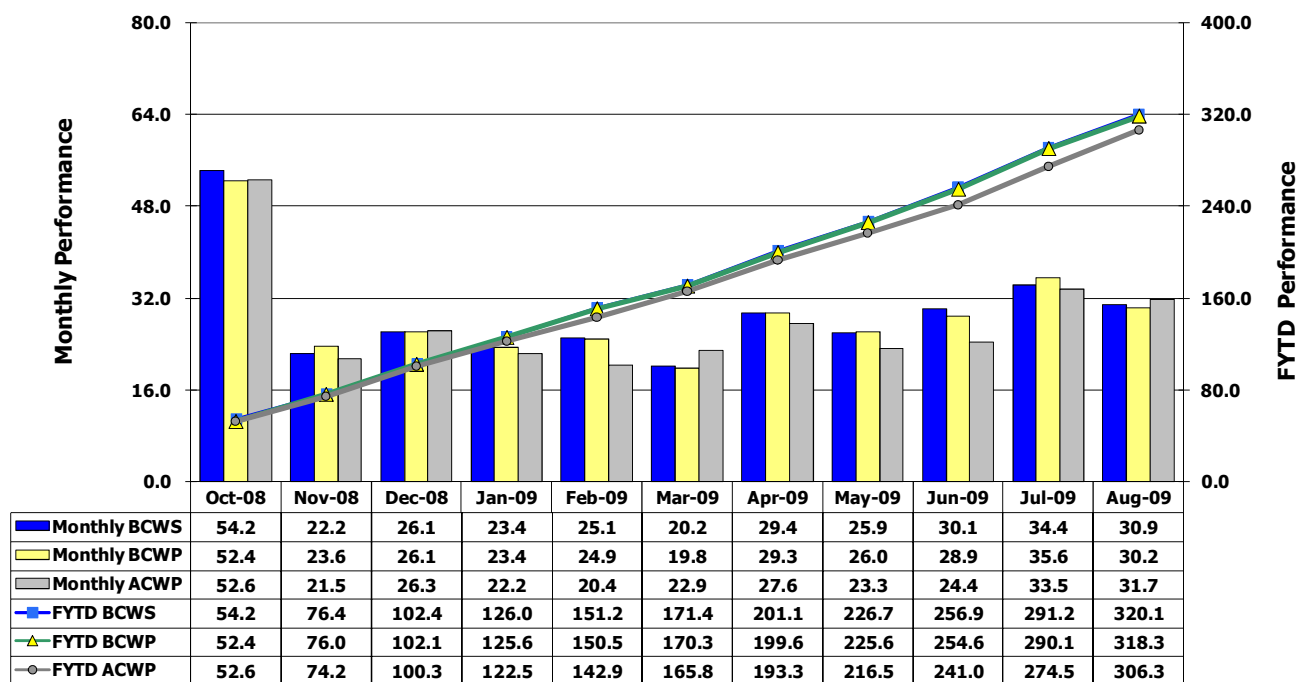
Variance threshold is +/- \$1M or 10%

**FYTD Schedule Performance:** Fiscal year to date contract schedule performance reflected a -\$1.7M/-0.6 percent unfavorable variance, which is within reporting thresholds.

**FYTD Cost Performance:** Fiscal year to date cost performance reflected a +\$12.0M/+3.8 percent variance. The most significant cost variance is discussed in Section D, *General Site Services*.

## Schedule/Cost Performance, continued (\$M)

**Performance Status**  
FYTD and Monthly (\$M)



## Milestone Performance

*Hanford Federal Facility Agreement and Consent Order* (abbreviated and referred to as the "Tri-Party Agreement") milestones represent significant events in project execution. The FY 2009 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes.

The PHMC had only one Tri-Party Agreement milestone due in FY 2009: M-026-01S, *Annual Hanford Land Disposal Restrictions Summary Report*, due on April 30, 2009. It was completed ahead of schedule.

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	Total FY 2009
Enforceable Agreement	1	0	0	0	0	0	0	1



## Government Furnished Services/Items

Listed below are the remaining open RL action/commitments through August 23, 2009 (the end of the Fluor Hanford contract).

Ref ID	GFS/GFI	Commitment Date	Completed Date	RL Letter No.	Needed Contract Deliverable FH Letter No. & Date Completed	Responsibility
GF0149	Provide acceptance of hazard controls or direct additional actions within 90 days of receipt of the Contractor list(s)	8-Sep-2009			CD0599 List of closure facility hazards and established controls within 90 days of hazard identification <b>Due:</b> As Required <a href="#">FH-0600614 R3</a> <b>Completed:</b> June 8, 2009	Environment, Safety, Health, & Quality
GF0179	DOE to review plan assessments and provide comments within 45 days of receipt	16-Jul-2009			CD0698 Area Management Plans and Resource Management Plans Assessed for Implementation of the Comprehensive Land Use Plan (CLUP) <b>Due:</b> June 1, 2009 <a href="#">FH-0901184</a> <b>Completed:</b> June 1, 2009	Closure Services & Infrastructure
GF0184	Issue a letter to each of the other primary site contractors informing them of PHMC's provision of an artifact pick-up service for items <b>Due:</b> June 17, 2009	17-Jun-2009			CD0678 Open 4732A as a staging area <b>Due:</b> July 15, 2009 <a href="#">FH-0900878</a> <b>Completed:</b> April 24, 2009	Richland Operations Center
GF0185	Approve Tour Execution Plan within 30 days after submittal	20-Apr-2009			CD0681 Draft Tour Execution Plan <b>Due:</b> March 20, 2009 <a href="#">FH-0900469A R3</a> <b>Completed:</b> March 19, 2009	Richland Operations Center
GF0191	Field Office approval of the Contractor worker safety and health program <b>Due:</b> Within 90 days of submittal	8-Sep-2009			CD0598 The Contractor's 10 CFR 851 Worker Safety and Health Program Document <b>Due:</b> Annually (12 months after last approval) <a href="#">FH-0600614 R3</a> <b>Completed:</b> June 8, 2009	Environment, Safety, Health, & Quality
GF0204	RL will provide notification to Hanford Site Contractors of the PHMC role and expectations for support <b>Due:</b> May 15, 2009	15-May-2009			CD0690 PBI-1.1a: Draft Hanford Site Interface Management Plan <b>Due:</b> June 15, 2009 <a href="#">FH-0901273</a> <b>Completed:</b> June 15, 2009	Project Systems & Support

## Contract Deliverables

Listed below are the open FH Contract Deliverable action/commitments due through August 23, 2009 (the end of the Fluor Hanford contract).

Ref ID	Deliverable	Planned Date	Completed Date	FH Letter No.	Needed GFS/GFI	Responsibility
	No outstanding Deliverables remain					